

IN THE CLAIMS:

1. (currently amended) A plant protein fraction which is derived from representatives of the Papaveraceae family and which possesses phospholipase D activity, comprising ~~characterized in that~~
 - a) ~~it consists of~~ two protein subfractions A and B; ~~B~~, and
 - b) it can be activated by Zn^{2+} ions, and also
 - c) at least one of the subfractions A or and/or B possess carbohydrate wherein only protein subfraction A possesses moieties,
and ~~with the protein subfraction A only possessing~~ hydrolysis activity.
2. (currently amended) The protein fraction as claimed in claim 1, ~~characterized in that it~~ is derived from Papaver somniferum and very particularly preferably from developing seedlings or and/or endosperms.
3. (currently amended) The protein fraction as claimed in claim 1 wherein or 2, ~~characterized in that~~ the subfraction A possesses a molecular mass of between 116 and 118 kDa, an isoelectric point, pI, of between 8.5 and 8.9 and a hydrolytic activity optimum at pH values of between 7.8 and 8.2, and the subfraction B possesses a molecular mass of between 112 and 115 kDa, an isoelectric point, pI, of between 6.5 and 6.9 and a hydrolytic activity optimum at pH values of between 5.0 and 6.0.
4. (currently amended) The protein fraction as claimed in claim 1 wherein any one ~~of claims 1 to 3, characterized in that~~ the subfraction A has a molecular mass of 116.4 kDa, an isoelectric point, pI, of 8.7 and a hydrolytic activity optimum at pH 8.0.

5. (currently amended) The protein fraction as claimed in claim 1, wherein any one of claims 1 to 4, characterized in that the subfraction B has a molecular mass of 114.1 kDa, an isoelectric point, pI, of 6.7 and a hydrolytic activity optimum at pH 5.5.
6. (currently amended) The protein fraction as claimed in claim 1, wherein any one of claims 1 to 5, characterized in that the subfraction B possesses an activatability optimum at Zn^{2+} ion concentrations of between 1.0 and 10 mM and, particularly preferably, at 5 mM.
7. (currently amended) The protein fraction as claimed in claim 1, wherein any one of claims 1 to 6, characterized in that the subfractions A and B are isoenzymes.
8. (currently amended) The protein fraction as claimed in claim 1, wherein any one of claims 1 to 7, characterized in that its transphosphatidylating activity of the protein fraction is more strongly pronounced than its hydrolysis activity.
9. (currently amended) A method comprising ~~The use of the protein fraction as claimed in any one of claims 1 to 8 for~~ hydrolyzing or and/or transphosphatidylating phospholipids or and/or their lyso forms with the protein fraction of claim 1.
10. (currently amended) The method use as claimed in claim 9 for synthesizing phosphatidylcholine, phosphatidylethanolamine, phosphatidylglycerol, phosphatidylinositol, phosphatidic acid and phosphatidylserine and their lyso forms.
11. (currently amended) The method use as claimed in claim 9 ~~or 10 in the form of a hydrolysis of~~ phosphatidylinositol is hydrolized or and/or a headgroup exchange is performed on phosphatidylinositol.